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SEARCH REQUEST FORM

5D27

Examiner # (Mandatory): 71801 Requester's Full Name: James Dudek
Art Unit 2871 Location (Bldg/Room#): CP4-05D27 Phone (circle 305 306 308) 308-4093

Serial Number: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

Title of Invention _____

Inventors (please provide full names): _____

Earliest Priority Date: _____

Keywords (include any known synonyms registry numbers, explanation of initialisms):

5,600,462

Search Topic:

Please write detailed statement of the search topic, and the concept of the invention. Describe as specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples of relevant citations, authors, etc., if known. You may include a copy of the abstract and the broadcast or most relevant claim(s).

— no reported litigation —

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Searcher: ETG

Searcher Phone #: _____

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Date Picked Up: _____

Date Completed: 6-30-99

Clerical Prep Time: 2

Terminal Time: 8

Number of Databases: 7

Type of Search

_____ N.A. Sequence

_____ A.A. Sequence

_____ Structure (#)

_____ Bibliographic

☒ Litigation1

_____ Fulltext

_____ Procurement

_____ Other

Vendors (include cost where applicable)

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☒ Questel/Orbit

☒ Lexis/Nexis

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_____ In-house sequence systems (list)

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_____ Dr. Link

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PATNO IS 5600462

Leys search

DATE: JUNE 30, 1999
LIBRARY: PATENT
FILE: ALL

Your search request is:
PATNO IS 5600462

Number of PATENTS found with your search request through:
LEVEL 1... 1

Your search request has found 1 PATENT through Level 1.
To DISPLAY this PATENT press either the KWIC, FULL, CITE or SEGMENTS key.
To MODIFY your search request, press the M key (for MODIFY) and then the ENTER key.

For further explanation, press the H key (for HELP) and then the ENTER key.

LEVEL 1 - 1 PATENT

1. 5,600,462, Feb. 4, 1997, Optical film and liquid crystal display device using the film, Suzuki, Masaru, Yamato, Japan Hanzawa, Fumihisa, Sagamihara, Japan Mogi, Manabu, Yamato, Japan, International Business Machines Corporation, Armonk, New York (02)

CORE TERMS: film, optical, liquid crystal, display, prism, panel, luminance, polarizer, diffuse, transmission...

LEVEL 1 - 1 OF 1 PATENT

5,600,462

<=2> GET 1st DRAWING SHEET OF 8

Feb. 4, 1997

Optical film and liquid crystal display device using the
film

REISSUE: Reissue Application filed Feb. 2, 1999 (O.G. Apr. 20, 1999) Ex. Gp.:
2822; Re. S.N. 09/241,989

CERTCORR: Dec. 16, 1997 a Certificate of Correction was issued for this patent

CORE TERMS: film, optical, liquid crystal, display, prism, panel, luminance,
polarizer, diffuse, transmission...

5,600,462 OR 5600462

Your search request has found no CASES.

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SELECT LIST DEFAULT:

SELECT#	RESULTS	TERM
1	1	US5600460/PN
2	1	US5600461/PN
3	1	US5600462/PN
4	1	US5600463/PN
5	1	US5600464/PN

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SS 1 RESULT (1)

SS 2?

prt full ind

-1- (LEGSTAT)

PATENT NUMBER

DOCUMENT TYPE

ACTION

US 5600462 [US5600462]

US-P

93.09.14 US/AE-A

APPLICATION DATA (PATENT)

{US 121657/93 [93US-121657] 93.09.14}

ACTION

93.12.15 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

IBM CORPORATION OLD ORCHARD ROAD ARMONK, NEW YORK
10504 * SUZUKI, MASARU : 19931201; HANZAWA, FUMIHISA
: 19931112; MOGI, MANABU : 19931112

ACTION

97.02.04 US/A

PATENT

ACTION

97.12.16 US/CC

CERTIFICATE OF CORRECTION

ACTION

99.04.20 US/RF

REISSUE APPLICATION FILED

19990202

UPDATE

9917

SS 2?
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11	1	US5600445/PN
12	1	US5600453/PN
13	2	US5600462/PN
14	1	US5600481/PN
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SS 1 RESULT (2)

SS 2?
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no citations for 1462 in LITALERT

-1- (PAST)

ACCESSION NUMBER
PATENT NUMBER
DOCUMENT TYPE
OFFICIAL GAZETTE
CODE
ACTION
SUBJECT HEADING

9916-001182
US5600462
A (UTILITY)
99.04.20
REA
REISSUE APPLICATION FILED
REISSUE APPLICATION FILED

-2- (PAST)

ACCESSION NUMBER
PATENT NUMBER
DOCUMENT TYPE
OFFICIAL GAZETTE
CODE
ACTION
SUBJECT HEADING

9750-000030
US5600462
A (UTILITY)
97.12.16
COR
CERTIFICATE OF CORRECTION
CERTIFICATE OF CORRECTION

File 345:INPADOC/FAM.& LEGAL STAT 1999/UD=9924
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Set	Items	Description
S1	1	PN=US 5600462

1/9/1
DIALOG(R)File 345:INPADOC/FAM.& LEGAL STAT
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11673391
Basic Patent (No,Kind,Date): CA 2105053 AA 940317 <No. of Patents: 008>

PATENT FAMILY:
AUSTRIA (AT)

Patent (No,Kind,Date): AT 163772 E 980315
HINTERBELEUCHTUNGSVORRICHTUNG FUER EINE FLUESSIGKRISTALL-ANZEIGEVORRICHTUNG (German)
Patent Assignee: IBM (US)
Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI MANABU (JP)
Priority (No,Kind,Date): JP 92246225 A 920916
Applic (No,Kind,Date): EP 93306536 A 930818
Addnl Info: 00588504 980304
IPC: * G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02
Derwent WPI Acc No: * G 94-094087
Language of Document: German

AUSTRIA (AT)

Legal Status (No,Type,Date,Code,Text):
AT 163772 R 980315 AT REF CORRESPONDS TO EP-PATENT
(ENTSPRICHT EP-PATENT)
EP 588504 P 980304
AT 163772 R 980915 AT RER CEASED AS TO PARAGRAPH 5 LIT. 3
LAW INTRODUCING PATENT TREATIES (ERLOSCHEN
GEM. PAR. 5 ABS. 3 PATVEG.)

CANADA (CA)

Patent (No,Kind,Date): CA 2105053 AA 940317
OPTICAL FILM AND A LIQUID CRYSTAL DISPLAY DEVICE USING THE FILM
(English; French)
Patent Assignee: IBM (JP)
Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI MANABU (JP)
Priority (No,Kind,Date): JP 92246225 A 920916
Applic (No,Kind,Date): CA 2105053 A 930827
IPC: * G02B-005/02; G02B-005/124; G02F-001/133
Language of Document: English

GERMANY (DE)

Patent (No,Kind,Date): DE 69317184 CO 980409
HINTERBELEUCHTUNGSVORRICHTUNG FUER EINE
FLUESSIGKRISTALL-ANZEIGEVORRICHTUNG (German)
Patent Assignee: IBM (US)
Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI MANABU (JP)
Priority (No,Kind,Date): JP 92246225 A 920916
Applic (No,Kind,Date): DE 69317184 A 930818
IPC: * G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02
Derwent WPI Acc No: * G 94-094087

Language of Document: German
Patent (No,Kind,Date): DE 69317184 T2 981029
HINTERBELEUCHTUNGSVORRICHTUNG FUER EINE
FLUESSIGKRISTALL-ANZEIGEVORRICHTUNG (German)
Patent Assignee: IBM (US)
Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI
MANABU (JP)
Priority (No,Kind,Date): JP 92246225 A 920916
Applic (No,Kind,Date): DE 69317184 A 930818
IPC: * G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02
Derwent WPI Acc No: * G 94-094087
Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 69317184	P	980409	DE REF	CORRESPONDS TO (ENTSPRICHT)
			EP 588504 P	980409
DE 69317184	P	981029	DE 8373	TRANSLATION OF PATENT DOCUMENT
				OF EUROPEAN PATENT WAS RECEIVED AND HAS BEEN
				PUBLISHED (UEBERSETZUNG DER PATENTSCHRIFT
				DES EUROPAEISCHEN PATENTES IST EINGEGANGEN
				UND VEROEFFENTLICHT WORDEN)
DE 69317184	P	990311	DE 8363	OPPOSITION AGAINST THE PATENT
				(EINSPRUCH GEGEN DAS PATENT ERHOBEN)

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 588504 A1 940323

A BACKLIGHT DEVICE FOR A LIQUID CRYSTAL DISPLAY DEVICE (English; French
; German)

Patent Assignee: IBM (US)

Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI
MANABU (JP)

Priority (No,Kind,Date): JP 92246225 A 920916

Applic (No,Kind,Date): EP 93306536 A 930818

Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; NL;
SE

IPC: * G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02

Language of Document: English

Patent (No,Kind,Date): EP 588504 B1 980304

A BACKLIGHT DEVICE FOR A LIQUID CRYSTAL DISPLAY DEVICE (English; French
; German)

Patent Assignee: IBM (US)

Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI
MANABU (JP)

Priority (No,Kind,Date): JP 92246225 A 920916

Applic (No,Kind,Date): EP 93306536 A 930818

Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; NL;
SE

IPC: * G02F-001/1335; F21V-008/00; F21V-005/02; G02B-005/02

Derwent WPI Acc No: * G 94-094087

Language of Document: English

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 588504	P	920916	EP AA	PRIORITY (PATENT APPLICATION)
			(PRIORITAET	(PATENTANMELDUNG))
			JP 92246225	A 920916
EP 588504	P	930818	EP AE	EP-APPLICATION (EUROPAEISCHE
			ANMELDUNG)	
			EP 93306536	A 930818

EP 588504	P	940323	EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNT VERTRAGSSTAATEN) AT BE CH DE ES FR GB IT LI NL SE
EP 588504	P	940323	EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 588504	P	940914	EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 940718
EP 588504	P	960703	EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHIED) 960521
EP 588504	P	980304	EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNT VERTRAGSSTAATEN) AT BE CH DE ES FR GB IT LI NL SE
EP 588504	P	980304	EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
EP 588504	P	980304	EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 163772 R 980315
EP 588504	P	980313	CH EP/REG ENTRY IN THE NATIONAL PHASE (EINTRITT IN DIE NATIONALE PHASE)
EP 588504	P	980409	EP REF CORRESPONDS TO: (ENTSPRICHT) DE 69317184 P 980409
EP 588504	P	980415	CH NV/REG NEW AGENT (NEUER VERTRETER/NOUVEAUX MANDATAIRES/NUOVI MANDATARI) CARL O. BARTH C/O IBM CORPORATION ZURICH INTELLECTUAL PROPERTY
EP 588504	P	980428	EP ITF IT: TRANSLATION FOR A EP PATENT FILED (IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO) BRAVI ALFREDO DR.
EP 588504	P	980710	EP ET FR: TRANSLATION FILED (FR: TRADUCTION A ETE REMISE)
EP 588504	P	980915	CH PL/REG PATENT CEASED (LOESCHUNG/RADIATION/RADIAZION)
EP 588504	P	980930	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981021	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981021	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981104	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981104	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981104	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981104	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981202	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981202	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981202	EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)

EP 588504	P	981202	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	981202	EP 25	LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P)
EP 588504	P	990127	EP 26	OPPOSITION FILED (EINSPRUCH EINGELEGT)
			981204	MANNESMANN VDO AG
EP 588504	P	990401	EP NLR1	NL: OPPOSITION HAS BEEN FILED WITH THE EPO (NL: EUROPESE OCTROOIEN, WAARTEGEN OPPOSITIE IS INGESTELD) MANNESMANN VDO AG

JAPAN (JP)

Patent (No,Kind,Date): JP 6109925 A2 940422
 OPTICAL FILM AND LIQUID CRYSTAL DISPLAY DEVICE USING ABOVE DESCRIBED
 OPTICAL FILM (English)
 Patent Assignee: IBM
 Author (Inventor): HANZAWA FUMIHISA; MOGI MANABU; SUZUKI MASARU
 Priority (No,Kind,Date): JP 92246225 A 920916
 Applic (No,Kind,Date): JP 92246225 A 920916
 IPC: * G02B-006/00; G02B-005/02; G02F-001/1335
 Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5600462 A 970204
 OPTICAL FILM AND LIQUID CRYSTAL DISPLAY DEVICE USING THE FILM (English)
 Patent Assignee: IBM (US)
 Author (Inventor): SUZUKI MASARU (JP); HANZAWA FUMIHISA (JP); MOGI
 MANABU (JP)
 Priority (No,Kind,Date): JP 92246225 A 920916
 Applic (No,Kind,Date): US 121657 A 930914
 National Class: * 349112000; 349062000
 IPC: * G02F-001/1343
 Derwent WPI Acc No: * G 94-094087
 Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5600462	P	920916	US AA	PRIORITY (PATENT)
			JP 92246225	A 920916
US 5600462	P	930914	US AE	APPLICATION DATA (PATENT)
			(APPL. DATA (PATENT))	
			US 121657	A 930914
US 5600462	P	931215	US AS02	ASSIGNMENT OF ASSIGNOR'S INTEREST
			IBM CORPORATION OLD ORCHARD ROAD ARMONK, NEW YORK 10504 ; SUZUKI, MASARU : 19931201; HANZAWA, FUMIHISA : 19931112; MOGI, MANABU : 19931112	
US 5600462	P	970204	US A	PATENT
US 5600462	P	971216	US CC	CERTIFICATE OF CORRECTION
US 5600462	P	990420	US RF	REISSUE APPLICATION FILED (REISSUE APPL. FILED) 19990202